

Recombinant Human CTLA4 Protein, His-tagged

Cat. No. CTLA4-11068H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus/Rhesus macaque CTLA-4, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Ala 37 - Ser 160 (Accession # G7PL88-1). In the region Ala 37 - Ser 160, the AA sequence of Cynomolgus and Rhesus macaque CTLA-4 are homologous. This protein carries a human IgG1 Fc tag at the C-terminus. Predicted N-terminus: Ala 37
Species	Human
Source	HEK293
ProteinLength	21-141 aa
Description	Cystatin-4 (CST4) is also known as Cystatin-S, Salivary acidic protein 1, which is a secreted protein, which belongs to the cystatin family. Cystatin-S is expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level) and is also expressed in saliva, tears, urine and seminal fluid. Cystatin-4/Cystatin S strongly inhibits papain and ficin, partially inhibits stem bromelain and bovine cathepsin C, but does not inhibit porcine cathepsin B or clostripain. Papain is inhibited non-competitively.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 39.9 kDa. The protein migrates as 42-50 kDa under reducing (R) condition, and 80-100 kDa under non-reducing (NR) condition

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	(SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CTLA4 cytotoxic T-lymphocyte-associated protein 4 [Homo sapiens (human)]
Official Symbol	CTLA4
Synonyms	CTLA4; cytotoxic T-lymphocyte-associated protein 4; celiac disease 3, CELIAC3; cytotoxic T-lymphocyte protein 4; CD; CD28; CD152; GSE; ICOS; CD152 isoform; celiac disease 3; cytotoxic T-lymphocyte antigen 4; cytotoxic T-lymphocyte-associated antigen 4; cytotoxic T-lymphocyte-associated serine esterase-4; cytotoxic T lymphocyte associated antigen 4 short spliced form; ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4; GRD4; CTLA-4; IDDM12; CELIAC3;
Gene ID	1493

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mRNA Refseq	NM_001037631
Protein Refseq	NP_001032720
MIM	123890
UniProt ID	G7PL88

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